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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 6531613 B1

AB: Described are novel branched 6-alkoxy-14H-anthra[2,1,9-mna]thioxanthene-14-one compounds which are dyes with excellent fluorescent properties and improved solubility characteristics. ✓

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. Des
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☐ 2. Document ID: US 6245711 B1

AB: A thermal paper with an image derived from a U.V., visible light or electron beam curable security ink has more than one means of security. Water repelling properties of the ink are a first security. A variable light absorbing and/or transmitting pigment or dye in the ink, pseudo-water mark or both, provide one or more additional security measures. Methods of preparing the thermal paper comprise printing the security ink on thermal paper on the surface opposite the thermosensitive coating and exposing the print to a U.V., visible light or electron beam radiation.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. Des
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☐ 3. Document ID: US 6106910 A

AB: A print medium having a sense mark comprised of a near infrared fluorescent component which triggers automated operations without interference from printed text or images or the substrate. The near infrared fluorescent pigments are protected from contact with oxygen using a polymer resin. Apparatus for dispensing printed media comprises a print medium of this invention, detector for sensing the mark, a logic element for locating the mark and a paper transporting apparatus controlled by the logic element. The apparatus can be incorporated in business machines such as automatic teller machines, cash registers, ticket dispensing machines and coupon dispensing machines.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. Des
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☐ 4. Document ID: US 6057028 A

AB: A thermal transfer medium which forms images with high speed thermal transfer printers is provided which comprises a substrate, a first coating comprised of at least 75 wt. % of a wax, a second coating comprising a sensible material such as a pigment and a binder resin with high hot tack properties in an amount of at least 20 wt. % based on total dry components and an optional third coating which does not contain any coloring agent. The first coating has a melt viscosity and cohesion lower than that of the second coating and preferably lower hot tack properties to simplify complete transfer to a receiving substrate. The coating formulation provides high adhesion to a receiving substrate with reduced adhesion to the flexible substrate of the thermal transfer medium, allowing for rapid transfer to a receiving substrate as required with high speed thermal transfer printers.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 5. Document ID: US 6031021 A

AB: There is provided by the present invention a coating formulation and thermal transfer medium and printer which provide printed images in a range of colors by employing thermal dye systems in the thermal transfer layers that form the images. The thermal dye systems contain at least two reactive dyes which react at different temperatures, an activator for the reactive dyes and optionally, a sensitizer for the reactive dyes. The use of multiple reactive dyes enables a range of colors to be produced from one thermal transfer ribbon using either a multihead thermal printer or a single head thermal printer operating at different print head energies.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 6. Document ID: US 5883043 A

AB: A thermal paper with an image derived from a water-based security ink has more than one means of security. A variable light absorbing and/or transmitting pigment or dye in the ink is a first security and a water repelling agent in the ink is a second security. A pseudo-watermark from the coloration of the ink under ambient conditions is a third security. Visible images can be generated from the printed ink upon exposure to UV or infrared light. Methods of preparing the thermal paper comprise printing the security ink on thermal paper with only one thermosensitive coating on the surface opposite the thermosensitive coating.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 7. Document ID: US 5225525 A

AB: Compounds of formula I or III or mixtures thereof ##STR1## wherein R is unsubstituted C.sub.6 -C.sub.14 aryl or C.sub.6 -C.sub.14 aryl which is substituted by C.sub.1 -C.sub.12 alkyl, C.sub.1 -C.sub.12 alkoxy, C.sub.1 -C.sub.12 alkylthio, phenyl, benzyl, --CN, --CF.sub.3, halogen or --COOR.sub.3, x is 1 or 2, and R.sub.1 is H, linear or branched C.sub.1 -C.sub.12 alkyl, C.sub.2 -C.sub.12 alkenyl or C.sub.2 -C.sub.12 alkynyl, C.sub.7 -C.sub.16 aralkyl, C.sub.8 -C.sub.16 alkaralkyl, --CH.sub.2 COOR.sub.3 or C.sub.1 -C.sub.12 acyl, wherein R.sub.3 is H, C.sub.1 -C.sub.18 alkyl, cyclohexyl, cyclopentyl, phenyl, C.sub.1 -C.sub.12 alkylphenyl, benzyl or C.sub.1 -C.sub.12 alkylbenzyl, are reversible photochromic systems which can be used for contrast formation, light absorption or for the reversible optical storage of information.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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☐ 8. Document ID: US 5177218 A

AB: Compounds of formula I or III or mixtures thereof ##STR1## wherein R is unsubstituted C.sub.6 -C.sub.14 aryl or C.sub.6 -C.sub.14 aryl which is substituted by C.sub.1 -C.sub.12 alkyl, C.sub.1 -C.sub.12 alkoxy, C.sub.1 -C.sub.12 alkylthio, phenyl, benzyl, --CN, --CF.sub.3, halogen or --COOR.sub.3, x is 1 or 2, and R.sub.1 is H, linear or branched C.sub.1 -C.sub.12 alkyl, C.sub.2 -C.sub.12 alkenyl or C.sub.2 -C.sub.12 alkynyl, C.sub.7 -C.sub.16 aralkyl, C.sub.8 -C.sub.16 alkaralkyl, --CH.sub.2 COOR.sub.3 or C.sub.1 -C.sub.12 acyl, wherein R.sub.3 is H, C.sub.1 -C.sub.18 alkyl, cyclohexyl, cyclopentyl, phenyl, C.sub.1 -C.sub.12 alkylphenyl, benzyl or C.sub.1 -C.sub.12 alkylbenzyl, are reversible photochromic systems which can be used for contrast formation, light absorption or for the reversible optical storage of information.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. Des
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
benzothioxanthone	8

Display Format:

[Previous Page](#) [Next Page](#) [Go to Doc#](#)